



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet	1	of 3		Application Number	10/507,384
				Filing Date	September 9, 2004
				First Named Inventor	Manfred Baetscher et al.
				Art Unit	Not Yet Assigned 1632
				Examiner Name	Not Yet Assigned Marcia Noble
				Attorney Docket Number	014210-001310US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MN	1	US-2002/0076816 A1	08-20-2002	Dai et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)		
MN	2	WO	96/02236 A1	07-25-1996	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	3	BAIN, Gerald et al.; "Embryonic Stem Cells Express Neuronal Properties In Vitro", 1995, <u>Developmental Biology</u> , Vol. 160, pp. 642-657.			
MN	4	BRADLEY, Allan et al.; "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse", 1986, <u>Current Topics in Developmental Biology</u> , Vol. 20, Chapter 25, pp. 357-371.			
MN	5	BUNTING, Kevin D.; "ABC Transporters as Phenotypic Markers and Functional Regulators of Stem Cells"; 2002, <u>Stem Cells</u> , Vol. 20, pp. 11-20.			
MN	6	CARMELIET, Peter et al.; "Role of HIF-1 α in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis"; 1998, <u>Nature</u> , Vol. 394, pp. 485-490.			
	7	CHRISTENSEN, Julie L. et al.; "Flk-2 is a marker in hematopoietic stem cell differentiation. A simple method to isolate long-term stem cells"; 2001, <u>Proceedings of the National Academy of Sciences</u> , Vol. 98, No. 26, pp. 14544-14549.			
MN	8	COMERFORD, Katrina M. et al.; "Hypoxia-inducible Factor-1-dependent Regulation of the Multidrug Resistance (MDR1) Gene"; 2002, <u>Cancer Research</u> , Vol. 62, pp. 3387-3394.			
MN	9	COSSARIZZA, Andrea et al.; "A New Method for the Cytofluorimetric Analysis of Mitochondrial Membrane Potential Using the J-Aggregate Forming Lipophilic Cation 5,5',6,6'-Tetrachloro-1,1',3,3'-Tetraethylbenzimidazolcarbocyanine Iodide (JC-1)"; 1993, <u>Biochemical and Biophysical Research Communications</u> , Vol. 197, No. 1, pp. 40-45.			
MN	10	COSSARIZZA, Andrea et al.; "Functional Heterogeneity of an Isolated Mitochondrial Population Revealed by Cytofluorometric Analysis at the Single Organelle Level"; 1998, <u>Experimental Cell Research</u> , Vol. 222, pp. 84-94.			
	11	DANI, G. et al.; "Differentiation of embryonic stem cells into adipocytes in vitro"; 1997, <u>Journal of Cell Science</u> , Vol. 110, pp. 4279-4286.			
MN	12	ERNST, Matthias et al.; "Functional and biochemical association of Hck with the LIF/IL-6 receptor signal transducing subunit gp130 in embryonic stem cells"; 1994, <u>The EMBO Journal</u> , Vol. 13, No. 7, pp. 1574-1584.			
MN	13	GOODELL, Margaret A. et al.; "Isolation and Functional Properties of Murine Hematopoietic Stem Cells that are Replicating In Vivo"; 1996, <u>J. Exp. Med.</u> , Vol. 183, pp. 1797-1806.			

Examiner Signature	/Marcia Noble/	Date Considered	05/10/2006
--------------------	----------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

			<i>Complete if Known</i>	
<i>Application Number</i>	10/507,384			
<i>Filing Date</i>	September 9, 2004			
<i>First Named Inventor</i>	Manfred Baetscher et al.			
<i>Art Unit</i>	Not Yet Assigned 1632			
<i>Examiner Name</i>	-Not Yet Assigned Marcia Noble			
<i>Attorney Docket Number</i>	014210-001310US			

Sheet

2

of 3

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
MN	14	GOTTESMAN, Michael M. et al.; "Overview: ABC Transporters and Human Disease"; 2001, <u>Journal of Bioenergetics and Biomembranes</u> , Vol. 33, No. 6, pp. 453-458.		
MN	15	HOGAN, Brigid et al; "Manipulating the Mouse Embryo: A Laboratory Manual"; 1994, <u>Cold Spring Harbor Laboratory Press</u> , pp. 1-497.		
MN	16	LABROILLE, Gilles et al.; "Flow Cytometric Evaluation of Fas Expression in Relation to Response and Resistance to Anthracyclines in Leukemic Cells"; 2000, <u>Cytometry</u> , Vol. 39, pp. 195-202.		
MN	17	NARAZAKI, Masashi et al.; "Activation of JAK2 kinase mediated by the interleukin 6 signal transducer gp130"; 1994, <u>Proceedings of the National Academy of Sciences</u> , Vol. 91, pp. 2285-2289.		
MN	18	NICHOLS, Jennifer et al.; "Derivation of Germline Competent Embryonic Stem Cells with a Combination of Interleukin-6 and Soluble Interleukin-6 Receptor"; 1994, <u>Experimental Cell Research</u> , Vol. 215, pp. 237-239.		
	19	NICHOLS, Jennifer et al.; "Formation of Pluripotent Stem Cells in the Mammalian Embryo Depends on the POU Transcription Factor Oct4"; 1998, <u>Cell</u>, Vol. 95, pp. 379-391.		
	20	ROBERTSON, John A.; "Human embryonic stem cell research: ethical and legal issues"; 2001, <u>Nature</u>, Vol. 2, pp. 74-78.		
	21	SCHARENBERG, Christian W. et al.; "The ABCG2 transporter is an efficient Hoechst 33342 efflux pump and is preferentially expressed by immature human hematopoietic progenitors"; 2002, <u>Blood</u>, Vol. 99, No. 2, pp. 507-512.		
MN	22	SEAGROVES, Tiffany N. et al.; "Transcription Factor HIF-1 Is a Necessary Mediator of the Pasteur Effect in Mammalian Cells"; 2001, <u>Molecular and Cellular Biology</u> , Vol. 21, No. 10, pp. 3438-3444.		
MN	23	SMITH, Austin G. et al.; "Inhibition of pluripotential embryonic stem cell differentiation by purified polypeptides"; 1988, <u>Nature</u> , Vol. 338, pp. 688-690.		
	24	SMITH, Austin G., "Embryo-Derived Stem Cells: Of Mice and Men"; 2001, <u>Annu. Rev. Cell Dev. Biol.</u>, Vol. 17, pp. 493-502.		
MN	25	THOMSON, James A. et al.; "Embryonic Stem Cell Lines Derived from Human Blastocysts"; 1998, <u>Science</u> , Vol. 282, pp. 1145-1147.		
	26	TSPK, Robert T.L. et al.; "Plasticity, Niches, and the Use of Stem Cells"; 2002, <u>Developmental Cell</u>, Vol. 3, pp. 703-712.		
MN	27	UCHIDA, Naoyuki et al.; "Liver and marrow of adult mdr-1a/1b ^{-/-} mice show normal generation, function, and multi-tissue trafficking of primitive hematopoietic cells"; 2002, <u>Experimental Hematology</u> , Vol. 30, pp. 862-869.		
	28	WEISSMAN, Irving L. et al.; "Stem and Progenitor Cells: Origins, Phenotypes, Lineage Commitments, and Transdifferentiations"; 2001, <u>Annu. Rev. Cell Dev. Biol.</u>, Vol. 17, pp. 387-403.		
	29	WILDING, Martin et al.; "Mitochondrial aggregation patterns and activity in human oocytes and preimplantation embryos"; 2001, <u>Human Reproduction</u>, Vol. 16, No. 5, pp. 909-917.		

Examiner Signature	<i>Marcia Noble</i>	Date Considered	05/10/2006
--------------------	---------------------	-----------------	------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO				Complete if Known	
				<i>Application Number</i>	10/507,384
				<i>Filing Date</i>	September 9, 2004
				<i>First Named Inventor</i>	Manfred Baetscher et al.
				<i>Art Unit</i>	Not Yet Assigned 1632
				<i>Examiner Name</i>	Not Yet Assigned Marcia Noble
Sheet	3	of 3		<i>Attorney Docket Number</i>	014210-001310US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
MN	30	WILLIAMS, R. Lindsay et al.; "Myeloid leukaemia inhibitory factor maintains the developmental potential of embryonic stem cells"; 1998, <i>Nature</i> , Vol. 338, pp. 684-687.			
MN	31	YOSHIDA, Kanji et al.; "Maintenance of the pluripotential phenotype of embryonic stem cells through direct activation of gp130 signalling pathways"; 1994, <i>Mechanisms of Development</i> , Vol. 45, pp. 163-171.			
	32	ZHOU, Sheng et al.; "The ABC transporter Bcrp1/ABCG2 is expressed in a wide variety of stem cells and is a molecular determinant of the side population phenotype"; 2001, <i>Nature Medicine</i> , Vol. 7, No. 9, pp. 1029-1034.			
MN	33	ZHOU, Sheng et al.; "Bcrp1 gene expression is required for normal numbers of side population stem cells in mice, and confers relative protection to mitoxantrone in hematopoietic cells <i>in vivo</i> "; 2002, <i>Proceedings of the National Academy of Sciences</i> Vol. 99, No. 19, pp. 12339-1234.			

Marcia S.
Noble

Digitally signed by Marcia S. Noble
On behalf of Marcia S. Noble, P-4 U.S.
PTO, Marcia.S.Noble@uspto.gov
Date: 2008-05-10 17:19:58 -04'00'

Examiner Signature	<i>Marcia S. Noble</i> / Marcia Noble	Date Considered	05/10/2006
--------------------	---------------------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.